

-1/5-

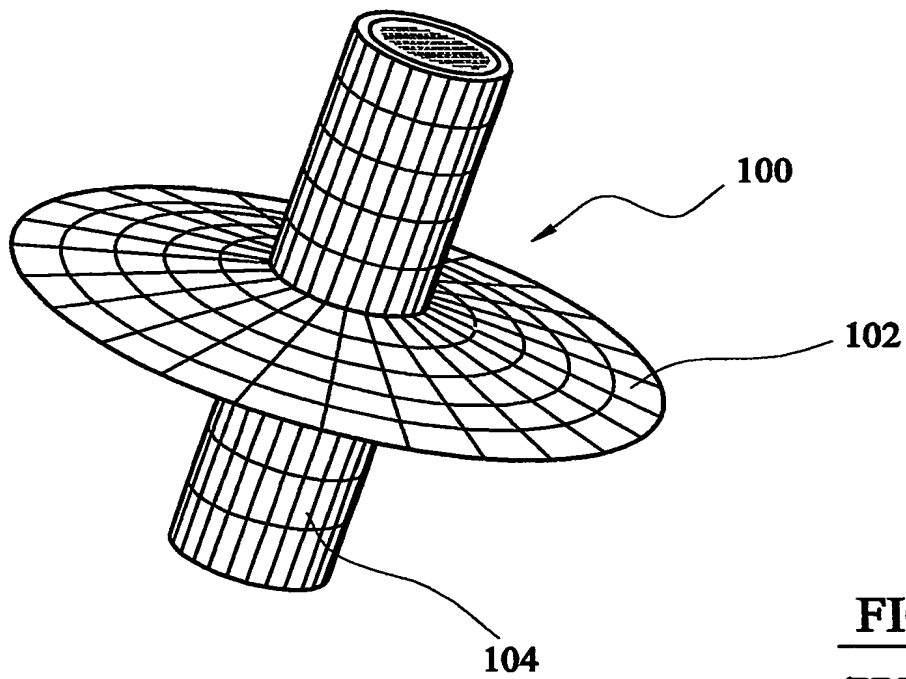


FIG. 1  
(PRIOR ART)

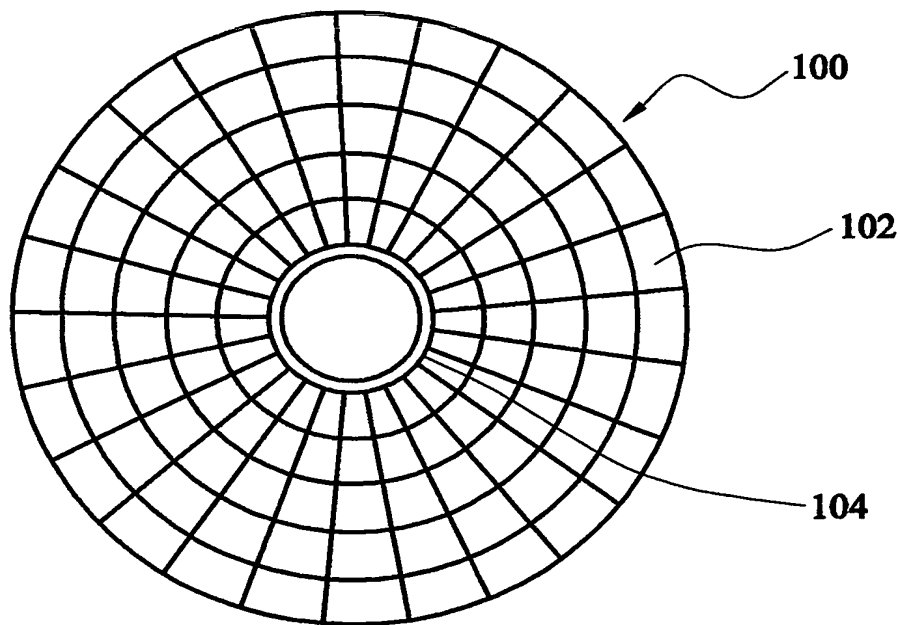


FIG. 2  
(PRIOR ART)

-2/5-

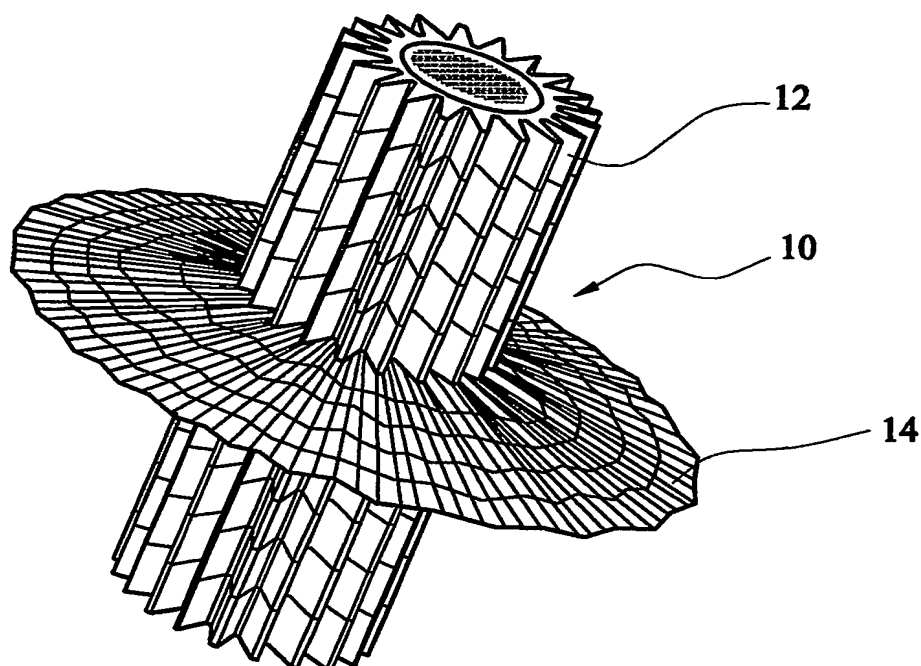


FIG. 3

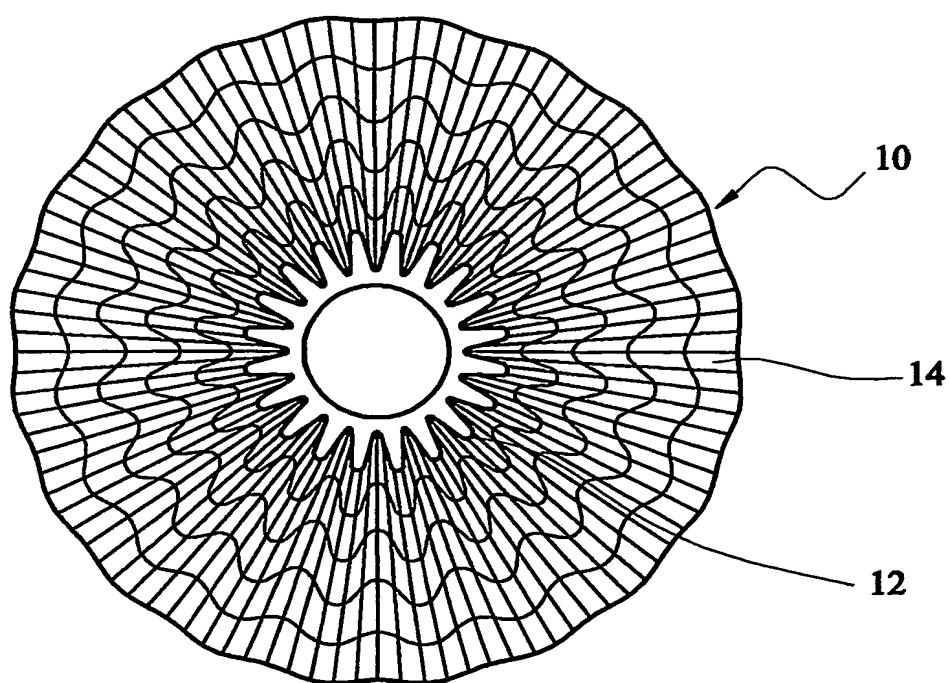
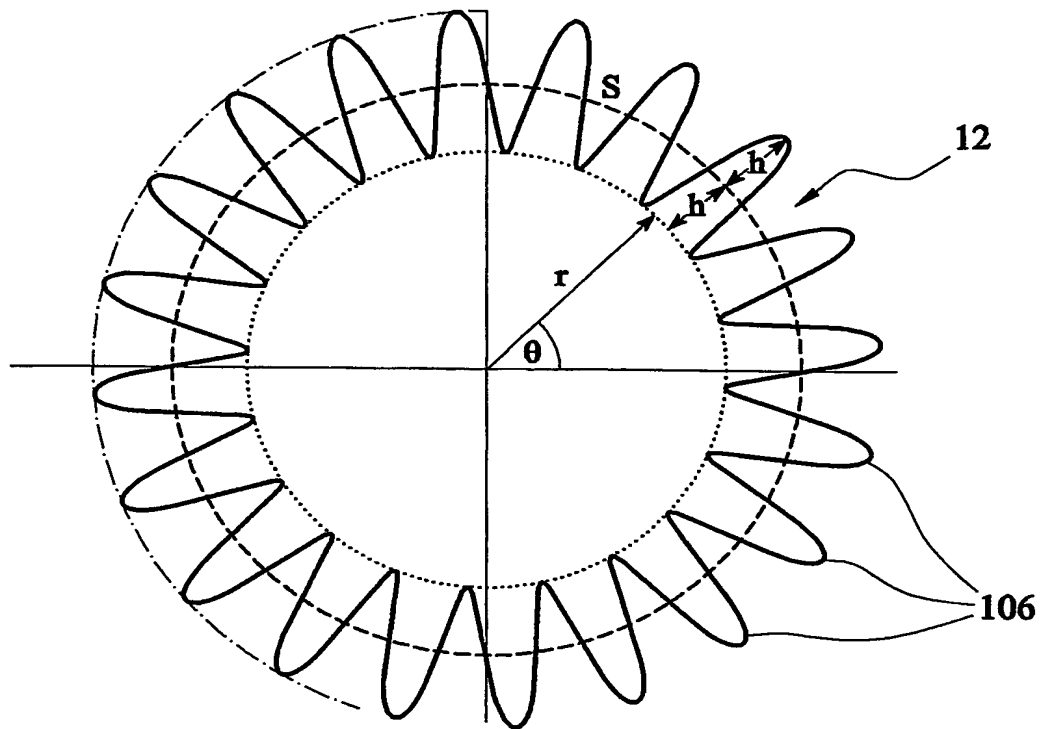


FIG. 4

-3/5-



where:  $S$  = total circumferential length  
 $\theta$  = angular distance around insulator from given starting point  
 $r$  = radius of insulator at any point (based on existing insulator design)  
 $h$  = amplitude of flute at given radius  
 and the number of flutes is designated "N"

FIG. 5

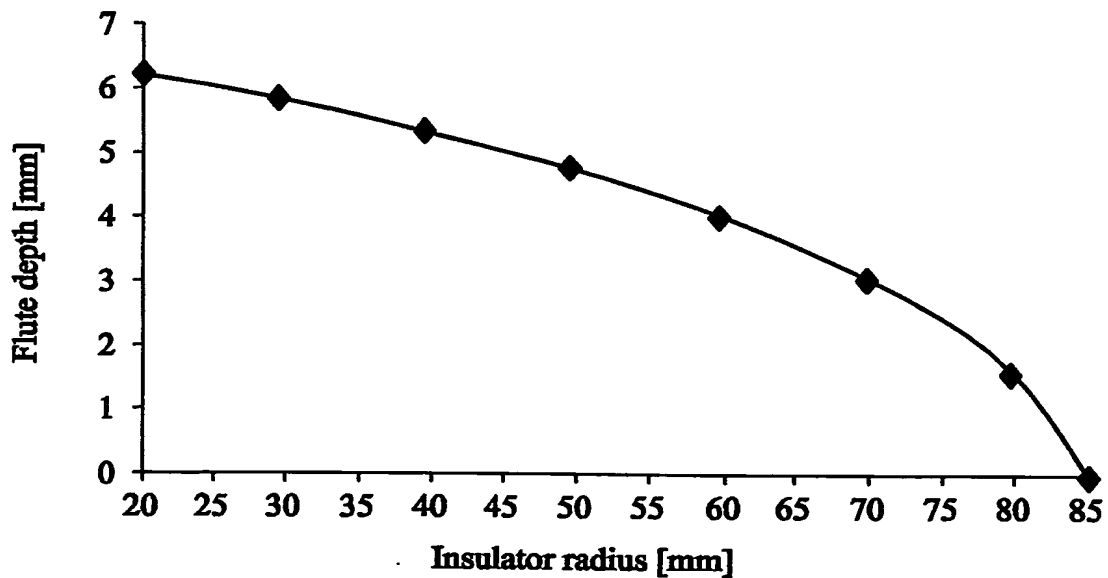
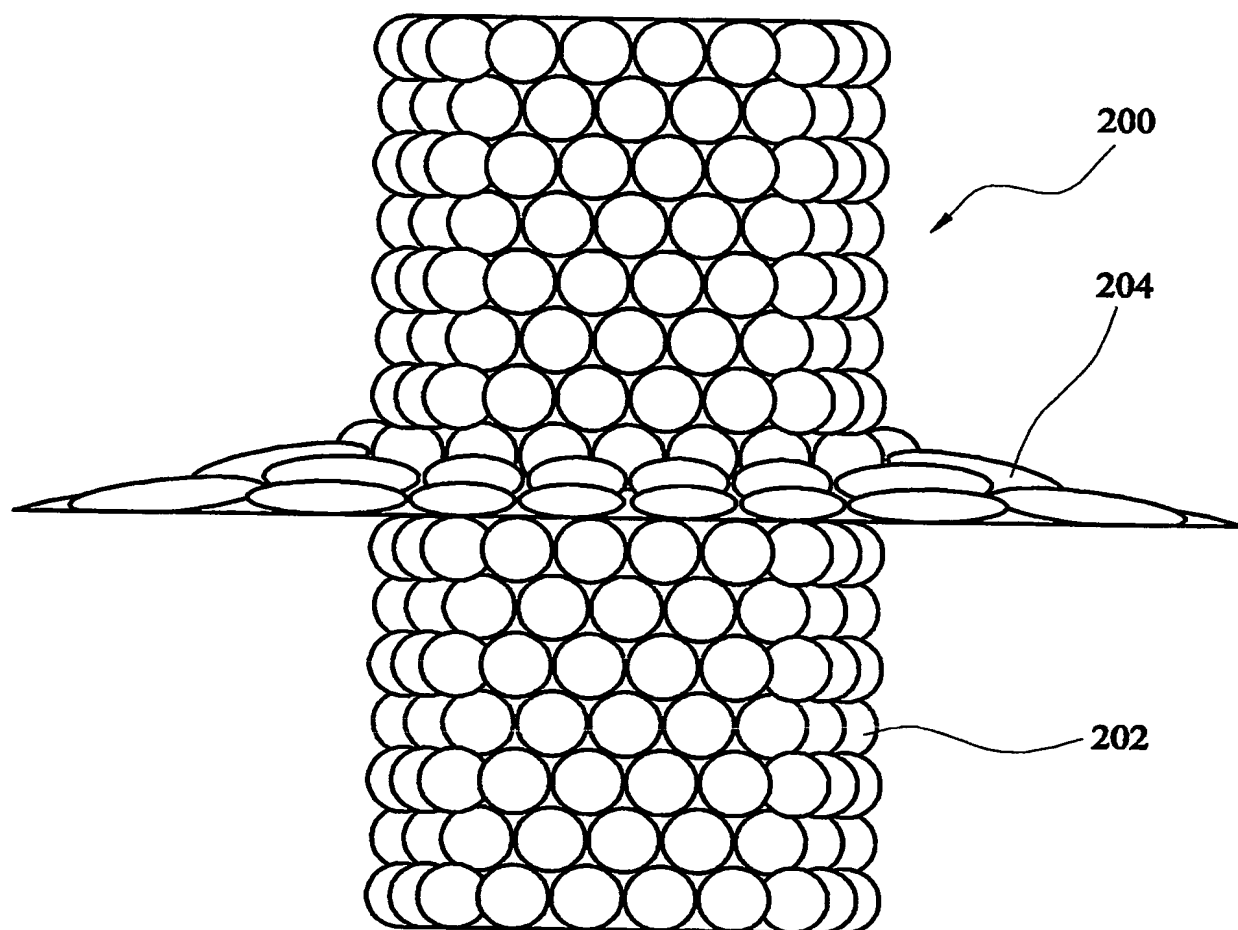


FIG. 6

-4/5-

FIG. 7

-5/5-

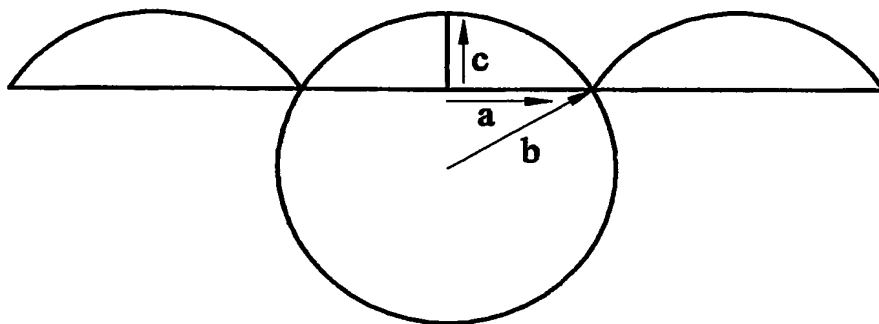


FIG. 8

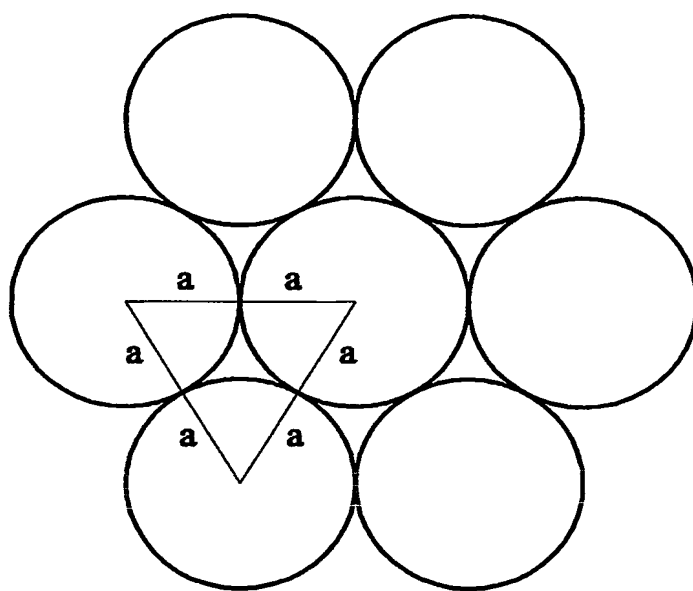


FIG. 9

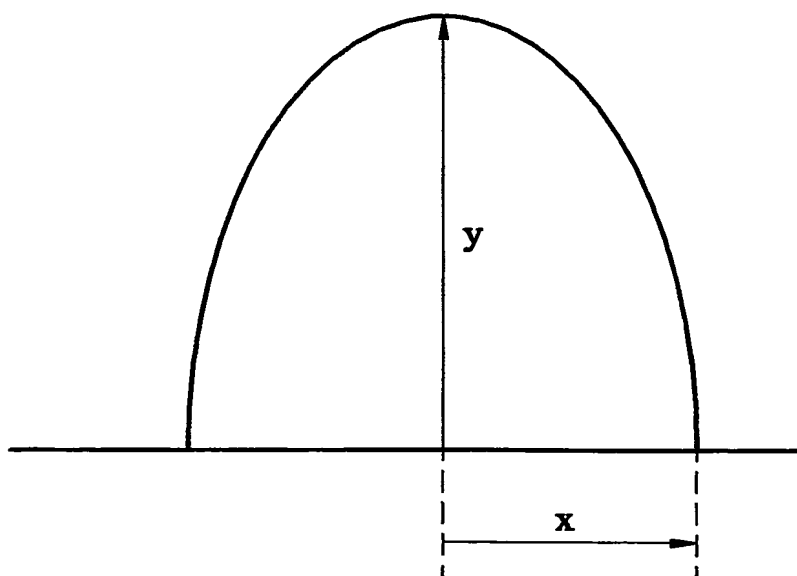


FIG. 10